ABSTRACT

An RV pattern selection section (103) stores at least two RV parameter tables, for QPSK and 16QAM, selects a corresponding RV parameter Xrv from the RV parameter tables based on a correlation between an estimated transmission count input from a transmission count estimation section (101) and a coding rate input from a coding rate calculation section (102) and outputs the RV parameter Xrv to a channel coding section (104). The channel coding section (104) changes a rate matching pattern of transmission data and constellation rearrangement (applicable to 16QAM only) based on the RV parameter Xrv input from the RV pattern selection section (103).